PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of Sheet

Ce	ompl te if Known	
Application Number	To Be Assigned	
Filing Date	Herewith	
First Named Inventor	John D. Grace	
Group Art Unit	To Be Assigned	
Examiner Name	To Be Assigned	
Attorney Docket Number	1145-001C1	

				U.S. PATENT DOC	UMENTS	
Examiner Initials	Cite No.1	U.S. Patent (Number	Cocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Cotumns, Lines, Where Relevant Passages or Relevant Eigures Appear
61	A	4,991,095		Swanson	02/05/1991	70.2 A 6
W	Β,	5,126,978		Chaum	06/30/1992	367/135
111	7	5,790,123		Wald et al.	08/04/1998	345/419
TILL	7	5,953,680	4	Divies et al.	09/14/1999	702 1005
125	Ž	6,012,016		Bilden et al.	01/04/2000	4051013
ILA	7	6,012,018	٥	Hornbuckle	01/04/2000	702 1016
ILA	G	6,191,787		Lu et al.	02/20/2001	345 1418
	e	6,229,546		Lancaster et al.	05/08/2001	345/418
ILA	4	6,307,555	9	Lee	10/23/2001	345 1423
				/		
				DAS >		
				72		
		<u> </u>		T.C.	4	
					+	
						
			i	<u> </u>		

		-		FORE	IGN PATENT DOCUMENT	S		
Examiner Initials	Cite	Office ³	oreign Patent Do		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant	To
	110.	Опісв	140111001	(II KIKMI)		MM-DD-TTTT	Figures Appear	┿
\vdash	_					 		+-
				10-				1
		1		487	7.			
					CAA			┷
					79			-
								+
-		 				 	`	+-
		 			***************************************			1

Examiner		Date
Signature	111 ' 2000	Considered 10 June 2004

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.



Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

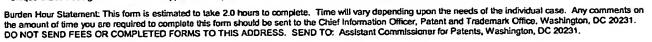
Please type a plus sign (+) inside this box 🛶	+	l
---	---	---

			Co	ompl te if Known	
	ute for form 1449B/PTC		Application Number	To Be Assigned	
INF	ORMATION	DISCLOSURE	Filing Date	Herewith	
ST/	TEMENT I	BY APPLICANT	First Named Inventor	John D. Grace	
317	4 I ETAILETA I	BI ALI LIOAITI	Group Art Unit	To Be Assigned	
	(use as many s	sheets as necessary)	Examiner Name	To Be Assigned	
Sheet	1	of 0	Attorney Docket Number	1145-001C1	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	Т
	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		ESR Shapefile Technical Description, An ESRI White Papter, July 1998	╁
		Printout of ording-help from ESRI's ArcGIS, "PolyLineZ", "Make"	L
		Printout of online-help from ESRI's ArcGIS, "MultiPatch"	╁
		Printout of ESRI's Online Support Center documents on Sphere Multipatch	
		₹Ø'	
		Printout of ESRI's Online Support Center documents on Cylinder Multipatch	\dagger
		Printout of ESRI's Online Support Center documents on Cube Multipatch	+
		Printout of ESRI's Online Support Center documents on Pyramid Multipatch	
		Printout of online-help from ESRI's ArcGIS, "To Create Surfaces From Point Samples"	
		Excerpts from JOHNSTON, Kevin, et al., "Using ArcGIS Geostatistical Analyst", ESRI	
		Tello!	
		Excerpts from DAVIS John C., "Statistics and Data Analysis in Geology" Second Edition, John Wiley & Sons	-
		Printout of online-help from ESRI's ArcGIS, "PointZ", "AsMultiPointZ"	4
Examiner	7	Date	

Signature *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



Considered

Please	type	а	plus	sign	(+)	inside	this	box	\rightarrow	+

PTO/SB/08B (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ollection of information unless it contains a valid OMB control number.

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Patent And Trade

	44400/070		Complete If Known			
Substitute for form 1449B/PTO		Application Number	To Be Assigned			
INF	ORMATION D	ISCLOSURE	Filing Date	Herewith		
		APPLICANT	First Named Inventor	John D. Grace		
316	VIEWENI DI	AFFLICAITI	Group Art Unit	To Be Assigned		
	(use as many sheet	s as necessary)	Examiner Name	To Be Assigned		
Sheet	1 of		Attorney Docket Number	1145-001C1		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Printout of online-help from ESRI's ArcGIS, "Unioning Features"	
		Excerpts from MINAMI, Michael, "Using ArcMap", ESRI ArcGIS, p. 385	Ŀ
	-	Printout of online-her from ESRI's ArcGIS, "ExtractbyPolygon"	1
		Excertps from MINAMI, Michael, "Using ArcMap", ESRI ArcGIS, p. 315	
		C.	
	<u> </u>	Printout of online-help from ESRIS ArcGIS, "Join", "FTab"	
		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
		Excerpt from MINAMI, Michael, "Using AreMap", ESRI ArcGIS, p. 383	├-
		Printout of online-help from ESRI's ArcGIS, "Reffering Graphics and Features", "Create Buffers"	
_		Excerpt from MINAMI, Michael, "Using ArcMap", p. 432)	
		Printout of online-help from GOM3, "View Tool Bars"	
		Printout of online-help from GOM3 Documentation and Help for ArcViews, "Hotlink Tool"	
		Printout of online-help from GOM3 Documentation and Help for ArcView 3. "Hotlink Tool"	
	1	Printout of online-help from ESRI's ArcGis, "Explode"	

Examiner Signature UN Date Considered 10 Jun 2014

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, OC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a	plus sign (+) inside this box 🛶	+
---------------	---------------------------------	---

Sheet

of |0

PTO/SB/08B (10-98)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

1145-001C1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number. Compl t if Known Substitute for form 1449B/PTO Application Number To Be Assigned INFORMATION DISCLOSURE Herewith Filing Date John D. Grace First Named Inventor STATEMENT BY APPLICANT To Be Assigned Group Art Unit (use as many sheets as necessary) To Be Assigned **Examiner Name**

Attorney Docket Number

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	-r
Examiner Initials*	Cite No.1	include name of the author (in CATTAL LETTERS), use of the article (when appropriate), use of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Printout of GOM3 System Documentation and Help, "How to Link to Excel"	1
		7	\top
		Documentation from BOOTH, Bob, "Using ArcGIS 3D Analyst", ESRI ArcGIS, p. 81	1
	-	Documentativity from BOOTH, Bob, Using Arcold 3D Analyst, Edit Arcold, p. 81	+
		<u>C</u>	
		X.	
		R.	
		PROCE OF THE PROPERTY OF THE P	
		No.	
		Ç,	
		Consider	
	ـ		+
			7
	_		_
Examine Signatur		Unter American Date Considered in These 20	200

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissionar for Patents, Washington, DC 20231.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for fo	orm 1449B/PTO	Application Number To Be Assigned ATION DISCLOSURE Filing Date Her with			
				Application Number	To Be Assigned
INFOR	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	SURE	Filing Date	Her with	
STATE	MENT BY	APPLI	CANT	First Named Inventor	John D. Grace
				Art Unit	To Be Assigned
(L	Use as many sheets as	necessary))	Examiner Name	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	1145-001C1

NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		Using ArcGIS Spatial Analyst, Environmental Systems Research Institute (Copyright 2001)						
		Using ArcGra Geostatistical Analyst, Environmental Systems Research Institute (Copyright 2001)						
		Using ArcGIS 3D Analyst, Environmental Systems Research Institute (Copyright 2000)						
		Using Avenue, Environmental Systems Research Institute (Copyright 1996)						
		ArcView GIS, Environmental Systems Research Institute (Copyright 1996)						
		GOM3 DOCUMENTATION AND HELP, Earth Science Associates (Copyright May 2003)						
		To y						
		Cas						
		Coas						
Evaminer		Date 10 4 C						

Date Examiner Considered Signature

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation in not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.